

Abstract

5 **Plants having modified growth characteristics and method for making the same**

10 The present invention concerns a method for modifying the growth characteristics of plants by
modulating expression in a plant of a B-type CDK nucleic acid and/or modulating activity
and/or levels in a plant of a B-type CDK protein. The invention also relates to transgenic plants
having modified growth characteristics, which plants have modulated expression of a B-type
CDK nucleic acid and/or modulated activity and/or levels in a plant of a B-type CDK protein
relative to expression, activity and/or levels in corresponding wild-type plants. The present
invention also provides a novel screening method for the identification of mutant CDKs having
15 enhanced CDK activity relative to corresponding non-mutated CDKs. The present invention
also provides a novel screening method for the identification of non-active CDKs that are able
to bind to CKIs (cyclin dependent kinase inhibitors). The invention also provides mutant CDKs
obtainable by the screening methods according to the invention.

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